

SEQUENCE LISTING

<110> Conklin, Darrell C.
 Haldeman, Betty A.
 Grossmann, Angelika

<120> MAMMALIAN CYTOKINE-LIKE POLYPEPTIDE-10

<130> 97-72

<160> 43

<170> FastSEQ for Windows Version 3.0

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<211> 926

<212> DNA

<213> Homo sapiens

<220>

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Ser Leu Ala Phe Ser Leu Leu Ser Ala Ala Phe Tyr Leu Leu Trp Thr	
5 10 15 20	

cct tcc act gga ctg aag aca ctc aat ttg gga agc tgt gtg atc gcc	152
Pro Ser Thr Gly Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala	
25 30 35	

aca aac ctt cag gaa ata cga aat gga ttt tct gac ata cgg ggc agt	200
Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser	
40 45 50	

gtg caa gcc aaa gat gga aac att gac atc aga atc tta agg agg act	248
Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg Arg Thr	
55 60 65	

gag tct ttg caa gac aca aag cct gcg aat cga tgc tgc ctc ctg cgc 296
 Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu Leu Arg
 70 75 80

cat ttg cta aga ctc tat ctg gac agg gta ttt aaa aac tac cag acc 344
 His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr
 85 90 95 100

cct gac cat tat act ctc cgg aag atc agc agc ctc gcc aat tcc ttt 392
 Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe
 105 110 115

ctt acc atc aag aag gac ctc cgg ctc tgt cat gcc cac atg aca tgc 440
 Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys His Ala His Met Thr Cys
 120 125 130

cat tgt ggg gag gaa gca atg aag aaa tac agc cag att ctg agt cac 488
 His Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln Ile Leu Ser His
 135 140 145

ttt gaa aag ctg gaa cct cag gca gca gtt gtg aag gct ttg ggg gaa 536
 Phe Glu Lys Leu Glu Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu
 150 155 160

cta gac att ctt ctg caa tgg atg gag gag aca gaa taggaggaaa 582
 Leu Asp Ile Leu Leu Gln Trp Met Glu Glu Thr Glu
 165 170 175

gtgatgctgc tgctaagaat attcgaggtc aagagctcca gtcttcaata cctgcagagg 642
 aggcatgacc ccaaaccacc atctctttac tgtactagtc ttgtgctggc cacagtgtat 702
 cttatttatg cattacttgc ttccttgcac gattgtcttt atgcatcccc aatcttaatt 762
 gagaccatac ttgtataaga tttttgtaat atctttctgc tattggatat atttattagt 822
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<213> Homo sapiens

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Met Lys Ala Ser Ser Leu Ala Phe Ser Leu Leu Ser Ala Ala Phe Tyr
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			20					25					30		
Cys	Val	Ile	Ala	Thr	Asn	Leu	Gln	Glu	Ile	Arg	Asn	Gly	Phe	Ser	Asp
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Ile	Arg	Gly	Ser	Val	Gln	Ala	Lys	Asp	Gly	Asn	Ile	Asp	Ile	Arg	Ile
	50					55					60				
Leu	Arg	Arg	Thr	Glu	Ser	Leu	Gln	Asp	Thr	Lys	Pro	Ala	Asn	Arg	Cys
65					70					75					80
Cys	Leu	Leu	Arg	His	Leu	Leu	Arg	Leu	Tyr	Leu	Asp	Arg	Val	Phe	Lys
				85					90					95	
Asn	Tyr	Gln	Thr	Pro	Asp	His	Tyr	Thr	Leu	Arg	Lys	Ile	Ser	Ser	Leu
			100					105					110		
Ala	Asn	Ser	Phe	Leu	Thr	Ile	Lys	Lys	Asp	Leu	Arg	Leu	Cys	His	Ala
		115					120					125			
His	Met	Thr	Cys	His	Cys	Gly	Glu	Glu	Ala	Met	Lys	Lys	Tyr	Ser	Gln
	130					135					140				
Ile	Leu	Ser	His	Phe	Glu	Lys	Leu	Glu	Pro	Gln	Ala	Ala	Val	Val	Lys
145					150					155					160
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Pro Ser Thr Gly Leu Lys Thr Leu Asn Leu Gly Ser Cys Val Ile Ala
25 30 35

aca aac ctt cag gaa ata cga aat gga ttt tct gac ata cgg ggc agt	200
Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg Gly Ser	
40 45 50	
gtg caa gcc aaa gat gga aac att gac atc aga atc tta agg agg act	248
Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg Arg Thr	
55 60 65	
gag tct ttg caa gac aca aag cct gcg aat cga tgc tgc ctc ctg cgc	296
Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu Leu Arg	
70 75 80	
cat ttg cta aga ctc tat ctg gac agg gta ttt aaa aac tac cag acc	344
His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr	
85 90 95 100	
cct gac cat tat act ctc cgg aag atc agc agc ctc gcc aat tcc ttt	392
Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe	
105 110 115	
ctt acc atc aag aag gac ctc cgg ctc tgt ctg gaa cct cag gca gca	440
Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys Leu Glu Pro Gln Ala Ala	
120 125 130	
gtt gtg aag gct ttg ggg gaa cta gac att ctt ctg caa tgg atg gag	488
Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln Trp Met Glu	
135 140 145	
gag aca gaa taggaggaaa gtgatgctgc tgctaagaat attcgaggtc	537
Glu Thr Glu	
150	
aagagctcca gtcttcaata cctgcagagg aggcatgacc ccaaaccacc atctctttac	597
tgtactagtc ttgtgctggt cacagtgtat cttattttatg cattacttgc ttccttgc	657
gattgtcttt atgcatcccc aatcttaatt gagaccatac ttgtataaga tttttgta	717
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atatttaatt ttttac	793

<210> 4

<211> 151

<212> PRT

<213> Homo sapiens

<400> 4

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 Cys Val Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp
 35 40 45
 Ile Arg Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile
 50 55 60
 Leu Arg Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys
 65 70 75 80
 Cys Leu Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys
 85 90 95
 Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu
 100 105 110
 Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys Leu Glu
 115 120 125
 Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu
 130 135 140
 Gln Trp Met Glu Glu Thr Glu
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 agacactcaa tttgggaagc tgtgtgatcg ccacaaacct tcaggaaata cgaaatggat 180
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<210> 10
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 <212> DNA
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 ttgctaagac tctatctgga cagggtatth aaaaactacc agaccctga ccattatact 180
 ctccggaaga tcagcagcct cgccaattcc tttcttacca tcaagaagga cctccggctc 240
 tgtcatgccc acatgacatg ccattgtggg gaggaagcaa tgaagaaata cagccagatt 300
 ctgagtcact ttgaaaagct ggaacctcag gcagcagttg tgaaggcttt gggggaacta 360
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 aatattcgag gtcaagagct ccagtcttca atacctgcag aggaggcatg accccaaacc 480
 accatctctt tactgtacta gtcttgtgct ggtcacagtg tatcttattt atgcattact 540
 tgcttccttg catgattgtc tttatgcata cccaatctta attgagacca tacttgtata 600
 agatthttgt aatatctttc tgctattgga tatatttatt agttaatata tttatttatt 660
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 ctccggaaga tcagcagcct cgccaattcc tttcttacca tcaagaagga cctccggctc 240
 tgtctggaac ctcaggcagc agttgtgaag gctttggggg aactagacat tcttctgcaa 300
 tggatggagg agacagaata ggaggaaagt gatgctgctg ctaagaatat tcgagggtcaa 360
 gagctccagt cttcaatacc tgcagaggag gcatgacccc aaaccaccat ctctttactg 420
 tactagtctt gtgctgtgca cagtgtatct tatttatgca ttacttgctt ccttgcata 480
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<210> 12
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<400> 12
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 Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg Arg Thr Glu Ser Leu Gln
 35 40 45
 Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu Leu Arg His Leu Leu Arg
 50 55 60
 Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr
 65 70 75 80
 Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys
 85 90 95
 Lys Asp Leu Arg Leu Cys His Ala His Met Thr Cys His Cys Gly Glu
 100 105 110
 Glu Ala Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe Glu Lys Leu
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145

150

<210> 13

<211> 127

<212> PRT

<213> Homo sapiens

<400> 13

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Glu	Ile	Arg	Asn	Gly	Phe	Ser	Asp	Ile	Arg	Gly	Ser	Val	Gln	Ala	Lys
			20					25					30		
Asp	Gly	Asn	Ile	Asp	Ile	Arg	Ile	Leu	Arg	Arg	Thr	Glu	Ser	Leu	Gln
		35					40					45			
Asp	Thr	Lys	Pro	Ala	Asn	Arg	Cys	Cys	Leu	Leu	Arg	His	Leu	Leu	Arg
		50				55					60				
Leu	Tyr	Leu	Asp	Arg	Val	Phe	Lys	Asn	Tyr	Gln	Thr	Pro	Asp	His	Tyr
65					70					75					80
Thr	Leu	Arg	Lys	Ile	Ser	Ser	Leu	Ala	Asn	Ser	Phe	Leu	Thr	Ile	Lys
				85					90					95	
Lys	Asp	Leu	Arg	Leu	Cys	Leu	Glu	Pro	Gln	Ala	Ala	Val	Val	Lys	Ala
			100					105					110		
Leu	Gly	Glu	Leu	Asp	Ile	Leu	Leu	Gln	Trp	Met	Glu	Glu	Thr	Glu	
		115					120					125			

<210> 14
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 <212> PRT
 <213> Homo sapiens

Ile	Ala	Thr	Asn	Leu	Gln	Glu	Ile	Arg	Asn	Gly	Phe	Ser	Asp	Ile
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<210> 15
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 <212> PRT
 <213> Homo sapiens

Leu	Asp	Arg	Val	Phe	Lys	Asn	Tyr	Gln	Thr	Pro	Asp	His	Tyr	Thr
1				5				10						15

<210> 16
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 <212> PRT
 <213> Homo sapiens

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<211> 15
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 <213> Homo sapiens

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 1 5 10 15

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 <211> 824
 <212> DNA
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<220>
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 <222> (71)...(598)

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 Met Lys Gly Phe Gly Leu Ala Phe Gly Leu Phe Ser Ala
 1 5 10
 gtg ggt ttt ctt ctc tgg act cct tta act ggg ctc aag acc ctc cat 157
 Val Gly Phe Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His
 15 20 25
 ttg gga agc tgt gtg att act gca aac cta cag gca ata caa aag gaa 205
 Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu
 30 35 40 45
 ttt tct gag att cgg gat agt gtg caa gct gaa gat aca aat att gac 253
 Phe Ser Glu Ile Arg Asp Ser Val Gln Ala Glu Asp Thr Asn Ile Asp
 50 55 60
 atc aga att tta agg acg act gag tct ttg aaa gac ata aag tct ttg 301
 Ile Arg Ile Leu Arg Thr Thr Glu Ser Leu Lys Asp Ile Lys Ser Leu
 65 70 75
 gat agg tgc tgc ttc ctt cgt cat cta gtg aga ttc tat ctg gac agg 349
 Asp Arg Cys Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg
 80 85 90

gta ttc aaa gtc tac cag acc cct gac cac cat acc ctg aga aag atc 397
Val Phe Lys Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile
95 100 105

agc agc ctc gcc aac tcc ttt ctt atc atc aag aag gac ctc tca gtc 445
Ser Ser Leu Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val
110 115 120 125

tgt cat tct cac atg gca tgt cat tgt ggg gaa gaa gca atg gag aaa 493
Cys His Ser His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys
130 135 140

tac aac caa att ctg agt cac ttc ata gag ttg gaa ctt cag gca gcg 541
Tyr Asn Gln Ile Leu Ser His Phe Ile Glu Leu Glu Leu Gln Ala Ala
145 150 155

gtg gta aag gct ttg gga gaa cta ggc att ctt ctg aga tgg atg gag 589
Val Val Lys Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met Glu
160 165 170

gag atg cta tagatgaaag tggagaggct gctgagaaca ctcctgtcca 638
Glu Met Leu
175

agaatctcag	acctcagcac	catgaagaca	tggccccagg	tgctggcatt	tctactcaag	698
agttccagtc	ctcagcacca	cgaagatggc	ctcaaaccac	caccctttg	tgatataact	758
tagtgctagc	tatgtgtata	ttattttctac	attattggct	cccttatgtg	aatgccttca	818
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<210> 19

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<212> PRT

<213> Mus musculus

<400> 19

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			20				25						30		
Cys	Val	Ile	Thr	Ala	Asn	Leu	Gln	Ala	Ile	Gln	Lys	Glu	Phe	Ser	Glu
		35					40					45			
Ile	Arg	Asp	Ser	Val	Gln	Ala	Glu	Asp	Thr	Asn	Ile	Asp	Ile	Arg	Ile
	50					55					60				

Leu Arg Thr Thr Glu Ser Leu Lys Asp Ile Lys Ser Leu Asp Arg Cys
 65 70 75 80
 Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val Phe Lys
 85 90 95
 Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser Ser Leu
 100 105 110
 Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys His Ser
 115 120 125
 His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln
 130 135 140
 Ile Leu Ser His Phe Ile Glu Leu Glu Leu Gln Ala Ala Val Val Lys
 145 150 155 160
 Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met Glu Glu Met Leu
 165 170 175

<210> 20
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 <213> Mus musculus

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 35 40 45
 Asp Ile Lys Ser Leu Asp Arg Cys Cys Phe Leu Arg His Leu Val Arg
 50 55 60
 Phe Tyr Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp His His
 65 70 75 80
 Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Ile Ile Lys
 85 90 95
 Lys Asp Leu Ser Val Cys His Ser His Met Ala Cys His Cys Gly Glu
 100 105 110
 Glu Ala Met Glu Lys Tyr Asn Gln Ile Leu Ser His Phe Ile Glu Leu
 115 120 125
 Glu Leu Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Gly Ile Leu
 130 135 140
 Leu Arg Trp Met Glu Glu Met Leu
 145 150

<210> 21

<211> 16
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 <213> Mus musculus

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 1 5 10 15

<210> 22
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 <213> Mus musculus

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 1 5 10 15

<210> 23
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 1 5 10 15

<210> 24
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 <213> Mus musculus

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<210> 25
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 1 5 10 15

Ile	Arg	Asp	Ser	Val	Gln	Ala	Glu	Asp	Thr	Asn	Ile	Asp	Ile	Arg	Ile
			20					25					30		
Leu	Arg	Thr	Thr	Glu	Ser	Leu	Lys	Asp	Ile	Lys	Ser	Leu	Asp	Arg	Cys
		35					40					45			
Cys	Phe	Leu	Arg	His	Leu	Val	Arg	Phe	Tyr	Leu	Asp	Arg	Val	Phe	Lys
	50					55					60				
Val	Tyr	Gln	Thr	Pro	Asp	His	His	Thr	Leu	Arg	Lys	Ile	Ser	Ser	Leu
65					70					75					80
Ala	Asn	Ser	Phe	Leu	Ile	Ile	Lys	Lys	Asp	Leu	Ser	Val	Cys	His	Ser
				85					90					95	
His	Met	Ala	Cys	His	Cys	Gly	Glu	Glu	Ala	Met	Glu	Lys	Tyr	Asn	Gln
			100					105					110		
Ile	Leu	Ser	His	Phe	Ile	Glu	Leu	Glu	Leu	Gln	Ala	Ala	Val	Val	Lys
		115					120					125			
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<210> 26

<211> 144

<212> PRT

<213> Homo sapiens

<400> 26

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			20					25					30		
Leu	Arg	Arg	Thr	Glu	Ser	Leu	Gln	Asp	Thr	Lys	Pro	Ala	Asn	Arg	Cys
		35					40					45			
Cys	Leu	Leu	Arg	His	Leu	Leu	Arg	Leu	Tyr	Leu	Asp	Arg	Val	Phe	Lys
	50					55					60				
Asn	Tyr	Gln	Thr	Pro	Asp	His	Tyr	Thr	Leu	Arg	Lys	Ile	Ser	Ser	Leu
65					70					75					80
Ala	Asn	Ser	Phe	Leu	Thr	Ile	Lys	Lys	Asp	Leu	Arg	Leu	Cys	His	Ala
				85					90					95	
His	Met	Thr	Cys	His	Cys	Gly	Glu	Glu	Ala	Met	Lys	Lys	Tyr	Ser	Gln
			100					105					110		
Ile	Leu	Ser	His	Phe	Glu	Lys	Leu	Glu	Pro	Gln	Ala	Ala	Val	Val	Lys
		115					120					125			
Ala	Leu	Gly	Glu	Leu	Asp	Ile	Leu	Leu	Gln	Trp	Met	Glu	Glu	Thr	Glu
	130					135						140			

<210> 27

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 <213> Homo sapiens

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 Cys Gly Glu Glu Ala Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe
 1 5 10 15
 Glu Lys Leu Glu Pro Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu
 20 25 30
 Asp Ile Leu Leu Gln Trp
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<210> 28
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 28
 Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg
 1 5 10 15
 Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg
 20 25 30
 Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu
 35 40 45
 Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr
 50 55 60
 Gln Thr Pro Asp His Tyr Thr
 65 70

<210> 29
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 29
 Ile Ala Thr Asn Leu Gln Glu Ile Arg Asn Gly Phe Ser Asp Ile Arg
 1 5 10 15
 Gly Ser Val Gln Ala Lys Asp Gly Asn Ile Asp Ile Arg Ile Leu Arg
 20 25 30
 Arg Thr Glu Ser Leu Gln Asp Thr Lys Pro Ala Asn Arg Cys Cys Leu
 35 40 45
 Leu Arg His Leu Leu Arg Leu Tyr Leu Asp Arg Val Phe Lys Asn Tyr
 50 55 60

Gln Thr Pro Asp His Tyr Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn
 65 70 75 80
 Ser Phe Leu Thr Ile Lys Lys Asp Leu Arg Leu Cys
 85 90

<210> 30
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 30
 Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu
 1 5 10 15
 Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp
 20 25 30
 Leu Arg Leu Cys His Ala His Met Thr Cys His Cys Gly Glu Glu Ala
 35 40 45
 Met Lys Lys Tyr Ser Gln Ile Leu Ser His Phe Glu Lys Leu Glu Pro
 50 55 60
 Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Asp Ile Leu Leu Gln
 65 70 75 80
 Trp Met

<210> 31
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 31
 Leu Asp Arg Val Phe Lys Asn Tyr Gln Thr Pro Asp His Tyr Thr Leu
 1 5 10 15
 Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Thr Ile Lys Lys Asp
 20 25 30
 Leu Arg Leu Cys
 35

<210> 32
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 32

Leu	Ala	Asn	Ser	Phe	Leu	Thr	Ile	Lys	Lys	Asp	Leu	Arg	Leu	Cys	His
1				5				10					15		
Ala	His	Met	Thr	Cys	His	Cys	Gly	Glu	Glu	Ala	Met	Lys	Lys	Tyr	Ser
			20				25					30			
Gln	Ile	Leu	Ser	His	Phe	Glu	Lys	Leu	Glu	Pro	Gln	Ala	Ala	Val	Val
	35					40					45				
Lys	Ala	Leu	Gly	Glu	Leu	Asp	Ile	Leu	Leu	Gln	Trp	Met			
50					55					60					

<210> 33

<211> 756

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (71)...(532)

<400> 33

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taggtgtaag	atg aaa ggc	ttt ggt ctt	gcc ttt gga	ctg ttc tcc	gct	109
	Met Lys Gly	Phe Gly	Leu Ala	Phe Gly	Leu Phe Ser Ala	
	1		5		10	

gtg ggt ttt	ctt ctc tgg	act cct tta	act ggg ctc	aag acc ctc	cat	157
Val Gly Phe	Leu Leu Trp	Thr Pro Leu	Thr Gly Leu	Lys Thr Leu	His	
15		20		25		

ttg gga agc	tgt gtg att	act gca aac	cta cag gca	ata caa aag	gaa	205
Leu Gly Ser	Cys Val Ile	Thr Ala Asn	Leu Gln Ala	Ile Gln Lys	Glu	
30		35		40	45	

ttt tct gag	att cgg gat	agt gtg tct	ttg gat agg	tgc tgc ttc	ctt	253
Phe Ser Glu	Ile Arg Asp	Ser Val Ser	Leu Asp Arg	Cys Cys Phe	Leu	
	50		55		60	

cgt cat cta	gtg aga ttc	tat ctg gac	agg gta ttc	aaa gtc tac	cag	301
Arg His Leu	Val Arg Phe	Tyr Leu Asp	Arg Val Phe	Lys Val Tyr	Gln	
	65		70		75	

acc cct gac	cac cat acc	ctg aga aag	atc agc agc	ctc gcc aac	tcc	349
Thr Pro Asp	His His Thr	Leu Arg Lys	Ile Ser Ser	Leu Ala Asn	Ser	
	80		85		90	

ttt ctt atc atc aag aag gac ctc tca gtc tgt cat tct cac atg gca	397
Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys His Ser His Met Ala	
95 100 105	
tgt cat tgt ggg gaa gaa gca atg gag aaa tac aac caa att ctg agt	445
Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln Ile Leu Ser	
110 115 120 125	
cac ttc ata gag ttg gaa ctt cag gca gcg gtg gta aag gct ttg gga	493
His Phe Ile Glu Leu Glu Leu Gln Ala Ala Val Val Lys Ala Leu Gly	
130 135 140	
gaa cta ggc att ctt ctg aga tgg atg gag gag atg cta tagatgaaag	542
Glu Leu Gly Ile Leu Leu Arg Trp Met Glu Glu Met Leu	
145 150	
tggataggct gctgagaaca ctcctgtcca agaatctcag acctcagcac catgaagaca	602
tggccccagg tgctggcatt tctactcaag agttccagtc ctcagcacca cgaagatggc	662
ctcaaaccac caccctttg tgatataact tagtgctagc tatgtgtata ttatttctac	722
attattggct cccttatgtg aatgccttca tgtg	756

<210> 34

<211> 154

<212> PRT

<213> Mus musculus

<400> 34

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Leu Leu Trp Thr Pro Leu Thr Gly Leu Lys Thr Leu His Leu Gly Ser	
20 25 30	
Cys Val Ile Thr Ala Asn Leu Gln Ala Ile Gln Lys Glu Phe Ser Glu	
35 40 45	
Ile Arg Asp Ser Val Ser Leu Asp Arg Cys Cys Phe Leu Arg His Leu	
50 55 60	
Val Arg Phe Tyr Leu Asp Arg Val Phe Lys Val Tyr Gln Thr Pro Asp	
65 70 75 80	
His His Thr Leu Arg Lys Ile Ser Ser Leu Ala Asn Ser Phe Leu Ile	
85 90 95	
Ile Lys Lys Asp Leu Ser Val Cys His Ser His Met Ala Cys His Cys	
100 105 110	
Gly Glu Glu Ala Met Glu Lys Tyr Asn Gln Ile Leu Ser His Phe Ile	

115 120 125
 Glu Leu Glu Leu Gln Ala Ala Val Val Lys Ala Leu Gly Glu Leu Gly
 130 135 140
 Ile Leu Leu Arg Trp Met Glu Glu Met Leu
 145 150

<210> 35
 <211> 130
 <212> PRT
 <213> Mus musculus

<400> 35
 Leu Lys Thr Leu His Leu Gly Ser Cys Val Ile Thr Ala Asn Leu Gln
 1 5 10 15
 Ala Ile Gln Lys Glu Phe Ser Glu Ile Arg Asp Ser Val Ser Leu Asp
 20 25 30
 Arg Cys Cys Phe Leu Arg His Leu Val Arg Phe Tyr Leu Asp Arg Val
 35 40 45
 Phe Lys Val Tyr Gln Thr Pro Asp His His Thr Leu Arg Lys Ile Ser
 50 55 60
 Ser Leu Ala Asn Ser Phe Leu Ile Ile Lys Lys Asp Leu Ser Val Cys
 65 70 75 80
 His Ser His Met Ala Cys His Cys Gly Glu Glu Ala Met Glu Lys Tyr
 85 90 95
 Asn Gln Ile Leu Ser His Phe Ile Glu Leu Glu Leu Gln Ala Ala Val
 100 105 110
 Val Lys Ala Leu Gly Glu Leu Gly Ile Leu Leu Arg Trp Met Glu Glu
 115 120 125
 Met Leu
 130

<210> 36
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 <212> DNA
 <213> Homo sapiens

<400> 36
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<210> 37
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<400> 37
gcgaggctga tctttct 17

<210> 38
<211> 25
<212> DNA
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<400> 38
tggcgaggct gctgatcttt ctcag 25

<210> 39
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<400> 39
ctttatgtct ttcaaagact cagtc 25

<210> 40
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<213> Mus musculus

<400> 40
catcagaatt ttaaggacga ctgagt 26

<210> 41
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<400> 41
ggtggtcagg ggtctggtag acttt 25

<210> 42
<211> 23
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<400> 42
ggtgcatatt cctggtggct aga 23

<210> 43

<211> 25

<212> DNA

<213> Mus musculus

<400> 43

attgcagtgt aagggaatac agaga